



## State of Vermont

Department of Fish and Wildlife  
Department of Forests, Parks and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICE FOR THE HEARING IMPAIRED  
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AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation  
Waste Management Division  
103 South Main Street / West Building  
Waterbury, Vermont 05671-0404  
802-241-3888  
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October 24, 2000

Roger Horne  
The Demeter Fund  
Suite 1120  
1800 Kent Street  
Arlington, VA 22209

RE: Site Management Activity Completed at Nordic Farm, Charlotte VT / SMS Site #972189

Dear Mr. Horne:

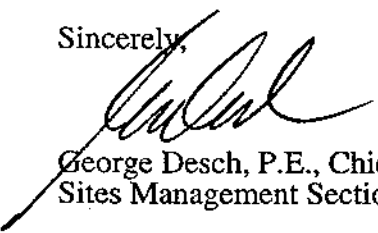
The Vermont Department of Environmental Conservation, Sites Management Section (SMS) has received the well abandonment and soil pile information from Heindel & Noyes. Based on the review of this information and the information in the site file, the SMS has determined the following:

- The facility has operated as a dairy farm since 1908, and is owned by the Demeter Fund. The farm consists of several buildings situated on 573 acres. In 1996, four underground storage tanks storing various petroleum products were removed from the property. Environmental Products and Services, an environmental consulting firm, performed the tank pulls and reported no significant contamination.
- In May 1997, Heindel & Noyes completed a Phase I Environmental Site Assessment of the property, and identified several potential contaminant source areas. These included two farm dumps; the equipment shed; the equipment repair shop; and the barn. Further investigation in these areas found soil and groundwater contamination including contamination to the onsite bedrock supply well. The majority of the contamination was located beneath the farm repair shop and was associated with the former USTs pulled in 1996. Free phase petroleum product was also encountered near the former 500 gallon gasoline tank.
- To reduce further impacts to the bedrock aquifer, a corrective action plan (CAP) was implemented in the Fall of 1998. The CAP consisted of removing half the repair shop building, excavating approximately 750 cubic yards of petroleum contaminated soil, abandoning the bedrock supply well, and long term site monitoring. The excavated soils were polyencapsulated onsite and underwent active treatment via vapor extraction system.
- The ongoing site monitoring has shown significant reductions in contaminant concentrations since the implementation of the CAP. The last two rounds of water quality monitoring have indicated no exceedances of the Groundwater Enforcement Standards. The monitoring wells have been properly abandoned. The results of the September 2000 round of soil pile monitoring indicate PID readings less than 1 ppm and no noticeable odors. The composite soil sample collected for TPH analysis revealed a concentration of 6.9 ppm which is well below the threshold of 1,000 ppm. These soils were properly treated and were thinspread onsite.
- The source(s) of the contamination at this facility has been adequately characterized and removed. The site does not pose an unreasonable threat to human health or to the environment.

Based on the above, the SMS is assigning a Site Management Activity Completed designation. This designation does not release you of any past or future liability associated with the reported contamination onsite. It does, however, mean that the SMS is not requesting any additional work in response to the contamination that was discovered in May 1997.

If you have any questions concerning this matter, then please feel free to contact Linda Elliott or myself at 802-241-3888.

Sincerely,



George Desch, P.E., Chief  
Sites Management Section

c: Charlotte Selectboard  
Miles Waite, HN

GD/le:wp/sites/nordic/smacltr.nov2000